\*Examiner

/Bo Peng/

## **INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

ATTY. DOCKET NO.

2551-123

SERIAL NO.

10/606,879

**APPLICANT** 

STUYVER, et al.

FILING DATE

GROUP

June 24, 2003

1648

U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	CLASS	SUBCLASS	FILING DATE IF APPROPRIAT			
/BP/	US 2004-0029110 A1	2-2004	Stuyver et al					
. 1	6,709,812	3-2004	Stuyver et al	1				
1/	6,555,311	04/2003	Locarnini					
<b>V</b>	2005-0175990	08/2005	Stuyver		<del> </del>			

## **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT DATE COUNTRY CLASS SUBCLASS YES · NO /BP/ 97/40193 10/1997 WO **7BP**7 94/26904 11/1994 WO

	OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)
/BP	File History (FH) of U.S. application Serial No. 09/155,885 retrieved from USPTO IFW June 14, 2007
	File History (FH) of U.S. application Serial No. 10/453,792 retrieved from USPTO IFW June 14, 2007
	Claims of U.S. Serial No. 11/802,328 filed May 22, 2007
	Nature(1979), vol. 282, PASEK M et al, pp 575-9, "Hepatitis B virus genes and their expression in E. Coli" Figure 2. copy contained in attached FH of Serial No. 10/453,792
	Nucleic Acids Research(1983), vol. 11(6), ONO Y et al, pp 1747-57, "The complete nucleotide of the cloned hepatitis B virus DNA; subtype adr and adw" Figure 2 and 3. copy contained in attached FH of Serial No. 10/453,792
	J. General Virology (1988), vol. 69, VAUDIN M <i>et al</i> , pp 1383-9, "The complete nucleotide sequence of the genome of a hepatitis B virus isolated from a naturally infected chimpanzee" Figure 1. copy contained in attached FH of Serial No. 10/453,792
	J. General Virology (1988), vol 69, OKAMOTO F et al, pp. 2575-83, "Typing hepatitis B virsu by homology in nucleotide sequence: comparison of surface antigen subtypes" Figure 1. copy contained in attached FH of Serial No. 10/453,792
	Gene (1988), vol. 64, RIVKINA M et al, pp. 285-96, "Nucleotide sequence of integrated hepatitis B virus DNA and human flanking regions in the genome of the PLC/PRF/5 cell line" Figure 5. copy contained in attached FH of Serial No. 10/453,792
$\bigvee$	J General Virology (1993), vol. 74, NORDER H et al, pp 1341-8, "Genetic relatedness of hepatitis B viral strains of diverse geographical origin and natural variations in the primary structure of the surface antigen" Figure 2. copy contained in attached FH of Serial No. 10/453,792

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Date Considered

Form PTO-FB-A820 (Also PTO-1449)

<del>08/28/2007</del>

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

\*Examiner

/Bo Pena/

Antiviral Chemistry & Chemotherapy 12:1-35 (2001). copy contained in attached FH of Serial No. 10/453,792

Date Considered

Form PTO-FB-A820 (Also PTO-1449)

Sheet 3 ATTY. DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE JUN 14 CITATION 2551-123 10/606.879 **APPLICANT** STUYVER, et al. FILING DATE (Use several sheets if necessary) GROUP June 24, 2003 1648 U.S. PATENT DOCUMENTS EXAMINER FILING DATE DATE NAME INITIAL DOCUMENT NUMBER **CLASS SUBCLASS** IF APPROPRIATE FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT COUNTRY CLASS **SUBCLASS** YES NO OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Aye et al, "Hepatitis B virus polymerase mutations during antiviral therapy in a patient following liver transplantation", Journal of Hepatology, 1997; 26: 1148-1153. copy contained in attached FH of Serial No. 10/453,792 de Man et al. "The sequential occurrence of viral mutations in a liver transplant recipient re-infected with hepatitis B: hepatitis B immune globulin escape, famciclovir non-response, followed by lamivudine resistance resulting in graft loss", Journal of Hepatology, 1998; 29: 669-675. copy contained in attached FH of Serial No. 10/453.792 Ho et al, "A Family Cluster of an Immune Escape Variant of Hepatitis B Virus Infecting a Mother and Her Two Fully Immunized Children", Clinical and Diagnostic Laboratory Immunology, 1995, Vol. 2, No. 6, pp 760-762. copy contained in attached FH of Serial No. 10/453,792 Weiss et al. "The HBV-Producing Cell Line HepG2-4A5: A New in vitro System for Studying the Regulation of HBV Replication and for Screening Anti-Hepatitis B Virus Drugs", Virology 216:214-218, 1996, copy contained in attached FH of Serial No. 10/453,792 Poch et al. "Identification of four conserved motifs among the RNA-dependent polymerase encoding elements", EMBO Journal 8:3867-3874, 1989. copy contained in attached FH of Serial No. 10/453,792 \*Examiner **Date Considered** Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include

copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

2006/12/20

**Sheet** 

INFORMATION DISCLOSU				RE ATTY.	DOCKET NO.	SERI	SERIAL NO.				
CITATION				2551-123			10/606,879				
			•	APPLIC							
				STU	YVER et al						
(Use several sheets if necessary)				FILING DATE			GROUP				
	•			June	24, 2003	164	1648				
								•	<del></del>		
*EXAM	INE	D		0.8	S. PATENT DOC	UNENIS			FILING	DATE	
INIT			DOCUMENT NUMBER	DATE	N	NAME		SUBCLASS	IF APPROPRIATE		
							ļ				
							1				
					···						
· 		╛				<del> </del>					
							<u> </u>		<u> </u>		
Ì											
							<u> </u>	<u> </u>			
				FOR	EIGN PATENT	DOCUMENTS		·			
										LATION	
			DOCUMENT	DATE	CO	UNTRY	CLASS	SUBCLASS	YES	NO	
							<u> </u>				
		_						· ·			
										<u> </u>	
						···				<u> </u>	
		_	OTHER DOCUM	ENTS (in	cluding Author	, Title, Date, Pert	inent pa	iges, etc.	)		
	/E	3F	BLUM, H.E., "Variants	s of Hepatiti	s B, C and D Virus	es: Molecular Biology	and Clinic	cal Significa	nce" Di	gestion	
- 1	1	$\dashv$	50.65-95 (1995)							atology	
	1		8(4): 306-311 (1996)	HARRISON, T.J., "Genetic Variation in Hepatitis B Virus" European Journal of Gastroenterology & Hepatology 8(4): 306-311 (1996)							
	7	7		CARMAN ET AL., "Molecular Variants of Hepatitis B Virus" Hepatitis and Chronic Liver Disease. 16(2): 407-							
	_		428 (6/1996)	428 (6/1996)							
	1			LING ET AL., "Selection of Mutations in the Hepatitis B Virus Polymerase During Therapy of Transplant							
-	┥	-		Recipients With Lamivudine" Hepatology 24(3): 711-713 (9/1996)							
		Ì	NI ET AL., "A New Immune Escape Mutant of Hepatitis B Virus with an Asp to Ala Substitution in aa144 of the Envelope Major Protein" (Res. Virol. 146:397-407, 1995)								
ľ	7	7		ZHANG ET AL., "Analysis of Hepatitis B Virus Genotypes and Pre-Core Region Variability During Interferon							
	_		Treatment of HBe Antigen Negative Chronic Hepatitis B" (Journal of Medical Virology 48:8-16, 1996)								
	ı		RODRIQUEZ-FRIAS ET AL., "Hepatitis B Virus Infection: Precore Mutants and Its Relation to Viral Genotypes								
}	+	$\dashv$	and Core Mutations" (Hepatology 22(6): 1641-1647, 1995)  NORDER, "Comparison of the Amino Acid Sequences of Nine Different Serotypes of Hepatitis B Surface								
			Antigen and Genomic Classification of the Corresponding Hepatitis B Virus Strains" (Journal of General								
	_ [	_	Virology 73:1201-1208, 1992)								
	T	ヿ	BLUM,"Naturally occu				minating I	nepatitis B v	irus rep	lication"	
	才	4	Journal of Virology, A	pril 1991, p	p 1836-1842, Vol 6	5, No. 4					
·Eva-:	<b>▼</b>		/D = D =			Data Considered		0/00/000=			
*Examine			/Bo Per	<u> </u>		Date Considered		9/03/2007		lasticals	
Examine	r: Ir	nitial	if reference considered, whether of	r not citation is i	n conformance with MPEP	ous; Draw line through citation	it not in confo	rmance and not	considered.	. Include	

1153257

Form PTO-FB-A820 (Also PTO-1449)